WHAT SOUNDS DOES RADIO BROADCAST BEST

DELICATE MICROPHONE CATCHES CLICK OF BASSOON STOPS



The Voice, of All Sounds, is Most Faithfully Reproduced by Radio, Say Broadcasters. The Violin Is Next, and Among the Worst Are the Bassoon (Left) and the Saxophone (Right.)

radio?

radio broadcasting stations. And of that, the soprano is most faithfully considerable trouble. The bass notes reproduced by the transmitting micro phone and the receiving instruments.

The most difficult sound to broadcast is that of the cornet, or any the high notes would not lend themetally other of the brass instruments.

And what makes the saxophone and basseon so troublesome is the saxophone and basseon so troublesome is the saxophone and basseon so troublesome is the microphone. This was heard as the receiving end.

And what makes the saxophone are through the air with any degree of accuracy. The plano gave by radio.

But when it comes to the brass instruments there is worty for the manager. Those that have many mechanical stops must not come near the microphone, or the clicks would be heard through all the music. Those that did came over as tin sounds.

Experimentation with any degree of accuracy. The plano gave by radio.

But when it comes to the brass instruments there is worty for the manager. Those that have many we call 2846 Adams.

Figure 16. 205.

Solve 18. But through the air with any of stands of the microphone of the brass instruments there is worty for the manager. Those that have many only a select through and flute, are also ensily reproduced by radio.

But when it comes to the brass instruments there is worty for the manager. Those that have many only and parage. 251 28 St. Adults.

Bright Adams.

Five rooms in modern steam he construction of the microphone on the microphone of the brass instruments.

And what makes the saxophone is the microphone of the brass instruments.

Five rooms in modern steam he close to the brass instruments there is worty for the manager. Those that have many only and parage. 251 28 St. Adults.

Solve of the microphone of the brass instruments there is worty for the microphone. This was heard at once the microphone of the brass instruments.

Five rooms in modern steam hear of the cornet, on th

And what makes the saxophone and bassoon so troublesome is the clicking of the stops. They aren't heard over the footlights when an artist plays directly before an audicatches the sounds of these clicks and not only records them, but exaggerates that did came over as tin sounds.

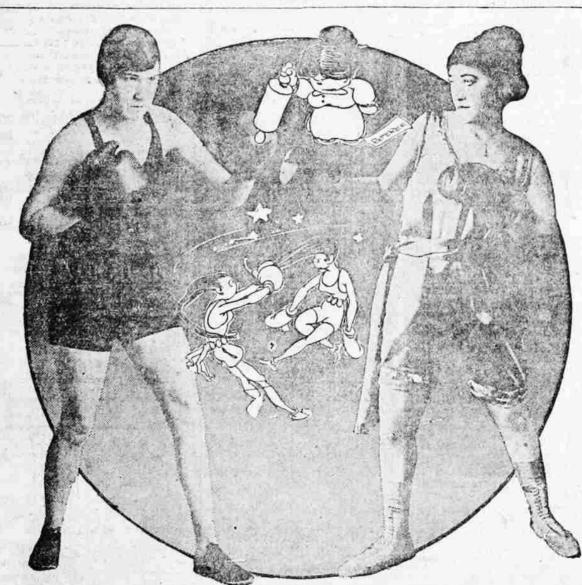
Experimentation with all sorts of microphone finally solved this trouble. Now the piano can be reproduced with quite a degree of fidelity. The stringed instruments, especially the violin, have given no trouble from the beginning. They can be captured the musto. Those with heavy, blatant sounds must be muffled, or the microphone—would crack under the strain.

For this reason, it is quite an art of a broadcast manager to place the pieces of an orchestra so that the best will be obtained from each instrument and the whole concert be reproduced most faithfully. In-

What sounds are broadcast best by Only recently have broadcast man-struments of percussion, such as adio?

agers succeeded in sending instruments the bells and xylophone, and woodwind instruments like the clarinet. The human voice, say managers of tal music through the air with any and flute, are also easily reproduced

GENTLE ART OF HAIR PULLING NO LONGER IN FAVOR WITH WOMEN





This remarkable action photo shows Tevis Huhn of Princeton winning the 120-yard hurdles in the recent The success of the Americans featured the meet. Huhn and Stevenson, both Princeton men, won three firsts for America

IN TANGO COLOR.

A smart dancing freek combines a Large bows of silver ribbon trim
A stunning freek is of tange colored skirt of black velvet and a bodice of some of the newest felt hats. They
crepe with a silver pattern which is white satin, the bodice being claborare mushroom-shaped and brighten
beaded in red, yellow and steel beads, ately trimmed with black fur.

A smart dancing freek combines a Large bows of silver ribbon trim
a stunning freek is of tange colored skirt of black velvet and a bodice of some of the newest felt hats. They
are mushroom-shaped and brighten
beaded in red, yellow and steel beads, ately trimmed with black fur.

WANTED-Wate Help

AN opening for aggressive salesman about Jan 1st with well known Co. We want a man who is a good citizen, one seeking a life of usofoiness, permanent connection and chance for advancement. Commission basis, drawing aset. State fully qualifications and age, giving phone number. Address IN. 2 are Standard.

MEN wanted to qualify for firement brakemen, experience unnecessary. Transportation furnished. Write W. Boggess, St. Louis. 4715
AT ONCE—2 live wire men, age 25. Permanent work in Ogden. Apply 415–23 atrect. Wesk days 2 to 12. 2 to 5, 730 to 9. Sunday 2 to 11, 3 to 5. 5550
4 LIVE-WIRE satesmen, commission basis. Phone 1461 for appetational. 3553
GOOD electric appliance salesmen wanted. GOOD electric appliance salesmen wanted.

ais. Phone 1461 for appointment. 5555 GOOD electric appliance salesmen wanted at The Lighthouse. 5614 Garage for rent. 2054 Washington ave. 5615

COMPETENT girl for housework, understand cooking. Small family, mornings, 1434.

time, copying authors' manusc: Write R. J. Carnes, Authors' Agent, lapoosa, Ga., for particulars. LAVE agents for quick nelling articles Inquire 2306 Harrison. 545

WANTED-Eltuations

REPAIRING

ROOFS painted, reshingled; composition roofing, plaster, cement, mason work, lawns fertilized, bauing, cellars dug, painting, Gibson, Phone 2260. 5651 WOMAN, 25, wants employment. or few men, housekeeper for widower NICEL's with family or chamber work. Capable or in a taking charge of rooming house. Call atternoon. Greiner's Rooms, 128 25th St. Capable or noon.

Standard-Examiner. JAPANESE school boy wishes work after school. Phone 157. P. O. Box 127. 5592 CHILDREN cared for by week or month.

Phone 2858-W.

YOUNG widow with two children ages 4 and 6, would like charge of rooming thouse or small hotel. Best of references. Hence Was 5161-J. Saft Lake City.

2391-R. 5546 Phone 1903-R. 5452
YOUNG lady wishes work by the day. 5395
WAITHESS wants work. Farties or banquets. Figure 5292-M. 5362
CLEAN two room apartment, \$11. Pages
2632-R. 141 West Twenty-first street. 5453
The Blanchard company needs a salesman in Scatthern 16240 and Urah to start
out December 2624, with their exclusive

GOULD B. BLARDIST.

Register.

George D. Parkinson, 327 Judge Bidg.,
Suit Lake City, Utah, Claimant's AtJorney. 4916

Dog-days in ancient times were corded by the period of time in which the Dog star arose with the sun.

FOR RENT-Furnished

innent house with garage for rent, lease or sale, furnished or unfurnished. Located in one of the best locations in the city on the bench 100 feet from paved street. Phone Cwner, 399.

GOOD JOBS open now for auto mechanics and electricians, easy to learn; jobs furnished to earn room and board, and a little more, while learning; big likewise of their equity in brand new furnished severything; sent FREE postpald. Write Dept. 109, National Automotive, 811 S. Figueroa, Los Angeles. 4653

ARE you emere? Do you really want to be big? We want several men over 24 years old who have a good personality are ambilious and thoroughly nonest and can qualify in a short time as managers capable of earning \$5000 per year and up. No experience necessary. Call 721 Eccles Bidg., 10 a. m. to 5 p. m. 5575

TWO clean, nicely furnished house elements of the common or two men who thoroughly understand pruning apple trees. Apply, giving references, to Orchardist, Box 1769, Salt Lake City.

MEN wanted for detective work. Estantial contents of the common of the commo

MEN wanted for detective work. Esperience unnecessary. Write for details
explaining guaranteed position. J. Ganor.
former Gov't Detective, St. Louis. Mo.
4716

FOUR room modern apt. Coal and
ranges. Fine location. Ph. 2815-W.

WANTED—Women to do fancy work at home. Spare hours. Material furnished. Good pay. Stamped envelope brings particulars. Underwood Art Goods Company. Portamouth, Ohio. 5573

EARN \$25 weekly good. Phone 1865.

NICELY furnished room with twin beds ave Phone 2888-W

NICELY furnished room with twin beds ave Phone 2888-W

Heated, 306 28th St. 5626 Modfelln five room house except heat.

Heated, 306 28th St. 5626 Modfelln five room house except heat.

THREE, five or eight housekeeping at 837 25th St. Apply 962 15th St. Phone 1506 rooms. Phone 2523 or 1081. 5508

FRONT furnished room for rent at 551 month. 951 25 street. Phone 2523-5. 5546 EARN \$25 weekly, spare time, writing for newspapers, magazines Exp. unnec, details free. Press Syndicate 157 St. Louis, Mo. 4714

NICELY furnished from with twin heds. Heated, 365 28th St. 5626

THREE, five or eight housekeeping tooms, Mo. 4714 15018, Mo. 4714 Froms. Phone 2653 or 1081. 5528 16—\$18 per dozen decorating pillows at home. Experience unnecessary. Particulars for stamp. Papeatry Paint Co. 205. COSY rooms in modern steam heated Lagrange, Ind. 5675 home. Close in. Tel. 1557-7, 221 2711.

TWO room spartment. Private bath. Madison Ave. Phone 1727-W 551. Disappearing bed, two closets, cellar, 2125. PHREE rooms \$11.00. 516 Sullivan Ave. Monroe. 5597. Phone 1729-R. 5578. COMPETENT middle-aged housekeeper, experienced cook; small family, Phone Monroe. TWO nicely furnished rooms. Gentlen cases.

TWO nicely furnished rooms. Gentlen cases. 0611

WANTED—\$100 to \$195 month. Menwomen over 17. U. S. government posttions. Steady Sure pay Common education. Influence unnecessary List positions cent free. Write immeniately.
Franklin Institute, Dept. 475P, Rochester N. Y.

4717

Franklin Institute, Dept. 475P, Rochester N. Y.

4717

Franklin Institute, Dept. 475P, Rochester N. Y.

6658

MODERN 5-room House, garage and basement. Partly turnished inquire European Hotel, 368 24th St. 5-ROOM modern home, engine location, no unidate. References tequired. Phone 2527-4. 5529

NICE two room modern apartment and basement, \$20, 2020 Monroe, Phone 2038-M. 5537 2038-M. 5537
NICE five room medern furnished bause, sel 25 afreet. Call Froerer & Fowles, Phone 317. 5523
MODERN 3 room apt. idea! location.

room, bath and telephone.

3445 4-ROOM cottage, nicely furnished, 2986 experienced woman wants cleaning or hundry work by day. Phone 1141 W THREE-RODM modern furnished apert-

It is said that the favorite palm DRESSMAKING, remodeling and plain each frock of this neason will be the sawing. Phone 3183-J. 5093 beach frock of this season will be the straightline frock of white crepe dechine embroidered with a monogram.

Such gowns are being prepared in quantities.

DRESSMAKING, remodeling and plain swing. Phone 3188-J. 5002

HEMSTITCHING, ploof edge. buttons joking, pleating, new and complete machinery. Ind floor. Wrights. Mrs. H. Layman.

WINDOW CLEANING

American Window Cleaning Co. Phone S61.

FOR SALE-Miscellaneous

MANGEL beets for poultry in sack ton lots. Western Grain and Feed Phone 1243, 283 24th St. 2354 Quincy Ave. two rear porches Mr. Martin at Paine & Hurst Co. 4599

& Hurst Co. 4598
DO IT NOW. Jonathan apples; save freight and commission; your own price. School size cheap. Extra fancy more. Phone 1016-J. 4544

ARGYLE APARTMENTS Two and three rooms, private bath, water heat, \$22.50 up. Phone 1217-R. 5605

NEW FARNSWORTH Cholcest location, absolutely apartments, modern, light, alry. Jefferson Aye,

3.ROOM modern apartment, Pho**n**e 1145 W or call 2234 Jefferson avenu. 5656 THREE room apartment. Modern except heat. 704 22. MODERN five room house.

ouse Pi - I-ROOM brick, clean, warm, 5317 Childs 5612 FIVE room modern house, \$25,00, bath, Madhan Ave. Phone 1727-W

Gentlemen 5-ROOM modern house on car line. Phone

Also Jewel coal range, used, for 1901 24 St. Phone 739. 2 PARTLY modern rooms, partly furnished, 2018 D Ave. 540 8-ROOM modern house, 779 24th Phope 872 FIVE rooms modern, \$50 Twent; street Rent \$50. Phone \$60 or 214

TWO rooms and closets. City water, ner month, rear 2718 Madison Ave. quire 653 27th. COEY sleeping room, Good board for one Phone 5725-W. Sale Phone 5725-W. 541 t-ROOM modern home, just com Will lease to adults. Phone 5128-11

MODERN 3 room apt. Meal location. NINE room modern brick, cl. Adults. \$40. Also garage. 2341 Adams. tion on beach. E. F. Bratz. 5529 2431 2409 Hudson, Phono 31; 5484 Adams. 5218 2409 Hudson, Phono 311 5454
STRICTLY modern furnished home in choicest section of city. Owner spending 2482 Washington, Phone 1101 5479
winter in California, P. O. Box 450, Telephone 762. 5448 basement, \$12, 2020 Monroe, Phone

phone 762.

NICELY furnished front room, heat, light, bath and phone. 575 Twenty-fourth.

EAST Washington. Phone 1101.

CLEAN two-room modern spartment basement. \$12. 2020 Monroe. Phone 1101.

Base Washington. Phone 1101.

CLEAN two-room modern spartment basement. \$12. 2020 Monroe. Phone 1101. TWO heated rooms, plane, for 2 or 3 THREE housekeeping rooms, partly mod-ladies, 2851 Washington, Phone 1565, 5445 etc., Phone 2345-W. 3415 SfX room nearly modern. Philippad dis-trict. Close in. Kelly & Herrick. 5:76 FIVE room modern apartment \$20.00

WANTED-Salesmen

WANTED

Phone 2197-M \$105

WAITEESS wants work. Parties or band quest. Flance 2292-W \$105

CURTAINS laundered. Phone 2222-W \$105

BOOKKEEPING and auditing evenings. Box 100-S, Standard-Examiner. 455

PRACTICAL nursing Confinements taken to my home. Phone 1511. 417

WANTED—Salesman to sell specialty article used by every business. Good opportunity. State age and experience first letter. Write 161-T, care Standard-Examiner. 5490

TOOL GRINDING

TOOL GRINDING

TOOL GRINDING

LEGAL NOTICES

NOTICES

NOTICES

NOTICES

NOTICES

NOTICES

NOTICES

BOARD AND ROOM

BOARD AND ROOM

For 1923

The Elanchard company needs a salesting. 5445

The Blanchard company needs a salesting in the control of the production of the production of the control of the c

Aurora, General Officer Illinois, CHOICE spring resetts 2

Would you invest it in a grocery store Lacking the \$5,000 would you invest yourself and a car instead and get the same returns? Our salesmen—age 28 to 45—have been selling at wholesale, on commission, to satisfied customers for 25 years on a "Satisfaction or Money Back Basis." If you have the ability to sell goods, even though inexperienced in our line, write us, giving your sage, experience and qualifications. No letter answered without this information, Dept. 1-4. Parks Bros., Inc., Portland, Oregon.

EARN \$25 to \$50 weekly, selling guaranteed hosiery for Men, Women, Children. We deliver and collect. Consumer's Hosiery Mills. 724 City Hall Station, New York.

4-ROOM modern stucco house. Thirty-fifth and Ogden. Phone 3128-R. 5535 Western Grain, piles. Western Grain, p KEY FITTING

resh side pork 20c lb.; che pieces for mincement at other meats proportionates prices will probably make discay. We are out for your discay.

14 blocks north

FOR SALE-MI

FURNITURE BAT

Our prices are the los thy pay immense profits filed with a small mark TRY US

KITCHENETTE BAKERT ROOM 1304 Washington Av DINING CHAIR SP

CTAIL FURNITU

ECONOMY WASH 71

LANDWICH stand, come

2746 Adams avenue. WE have a few unch

ONE hundred Rhode Islan 724 West 21st. Phone III ORDER now, chickens for or dressed Bellvered. Tel ONE Howard heating

AVHITE Legnorn yearling hens and pullets. Phone is

mincement solid meate or, 50c to \$1.75 per bu Jacob Post, 32nd and T TELEPHONE 3549-W. Miss Marie Barney, professional dressmaker and ladies' tailor, 1766-Wash Ave., Ogden, Utah.

DRESSMAKING, remodeling and plain 5003

DRESSMAKING, re BLISS Native Heros. Twenty-rifth street.

Ald, kinds of keys made. Locks re-paired. Novelty work. J. M. Smart, 445 LARGE garage doors. 25th St. Phone 317rJ. 5602 Implement Ca.